

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Kitchen Block

PROJECT AREA

TANZANIA MAINLAND

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Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	16	M ³		
	Sand	8	M ³		
	Cement-50kgs	69	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,548	No		
	Sand	8.0	M ³		
	Cement -50kgs	44	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	21	Trips		
	Hardcore (4.5m ³ lorry)	14	Trips		
	Sand	16	M ³		
	Aldrin solution or equal and approved (Diluted)	304	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade and column base</u>				
	DPM	304	M ²		
	Cement -50kgs	251	Bags		
	Aggregates (1/2")	44	M ³		
	Sand	22	M ³		
	Reinforcement - 16mm diameter high tensile	5	PC'S		
	Reinforcement - 12mm diameter high tensile	61	PC'S		
	Reinforcement - 8mm diameter	68	PC'S		
	Timber 1" X 8" (5.2m long)	14	PC'S		
	Timber 2" X 2"	5	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	8	Kgs		
	Supporting props	15	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam & Columns</u>				
	6" Cement & Sand Block	4,797	No		
	Cement & Sand Louver Block	448	No		
	DPC (20m long)	10	Roll		
	Sand	26	M ³		
	Cement-50kgs	202	Bags		
	Aggregates (1/2")	10	M ³		
	Reinforcement - 16mm diameter high tensile	5	PC'S		
	Reinforcement - 12mm diameter high tensile	60	PC'S		
	Reinforcement - 8mm diameter	66	PC'S		
	Binding Wire - 1kg	10	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	11	PC'S		
	Timber 1" X 5" (Plates)	4	PC'S		
	Timber 2" X 2"	5	PC'S		
	Supporting Props	15	PC'S		
	Balustrade 950mm high with 50 x 50mm horizontal stainless steel rails(top, bottom and vertical members) spaced at 900mm centers to centers with 25 x25mm steel square balusters spaced at 300mm centers welded to vertical rails	10	m		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	735	FT		
	Timber 2" X 4" King Post, wall plate and struss	2,328	FT		
	Timber 2" X 6" Rafter and Tie beam	1,641	FT		
	Fascia board 1" X 10" (5.2m long)	17	PC'S		
	Nails -5"	40	Kgs		
	Nails -4"	25	Kgs		
	Nails -3"	15	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
2	<u>Roof Covering -as per ALAF or other equal and approved</u>				
	28G IT5 resincoated sheet	440	M ²		
	Hips/Ridge and valley - 28 G	24	PC'S		
	Roofing Nails	27	Packet		
1	<u>Gutter's</u>				
	Upvc 125mm half round (6m long)-5"	13	PC'S		
	Upvc 100mm diameter down pipe; Class B	4	PC'S		
	PVC outlet	4	PC'S		
	PVC bend 90'	4	PC'S		
	PVC bend 45'	8	PC'S		
	Gutter support bracket	75	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	10	PC'S		
	Gutter corner 90'	4	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -9mm thick	106	PC'S		
	Plain Cornice (8ft)	91	PC'S		
	Gypsum Screw 1" 800pcs/box	15	Box		
	Screw 1.25" 800pcs/box	18	Box		
	Gypsum powder	25	Bags		
	Fibre tape	3	Pcs		
	Treated softwood Timber 2" X 2"	2,889	FT		
	Nails 4"	25	Kgs		
	Nails 3"	20	Kgs		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
2	<u>40mm thick solid core flush door shutter</u>				
	1200 x 2100 mm high (Double leaf)	10	PC'S		
	1800 x 2100 mm high (Double leaf)	1	PC'S		
	900 x 2100mm High	9	PC'S		
3	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1200 x 2500mm high	10	PC'S		
	900 x 2500mm high	5	PC'S		
	1800 x 2500mm high	1	PC'S		
	900 x 2100mm high	4	PC'S		
	5mm thick clear glass to Vents				
	1200 x 400mm high	10	PC'S		
	900 x 400mm high	5	PC'S		
	1800 x 400mm high	1	PC'S		
	Brush 3"	3	Pcs		
	Sand paper (msasa) No.80	6	LM		
	Clear Varnish - 4Litres	3	TIN		
	Thinner for Varnish -4Litres	3	Litres		
4	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	16	No		
	Brass hinges - 100mm	46.5	Pairs		
	Wood Screw	12	Box		
	Kick plate size 900 x 200mm high	14	PC'S		
	Pushing plate	44	PC'S		
	Kick plate size 600 x 200mm high	40	PC'S		
	Door closer	9	No.		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	WINDOWS				
1	<u>Supply and fix Aluminum Windows 2mm thick frame with 5mm thick glass, Mosquito gauze, ironmongeries and all associated accessories</u>				
	1600 X 1500mm high (w1)	15	PC'S		
	750 X 750mm high (w2)	6	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high (w1)	12	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	14	M ³		
	Cement-50kgs	88	Bags		
	450 x 450 x9mm thick Non slippery Porcelain floor tiles (1.42 Sqm/Box)	200	Box		
	Skirting (600 mm long; 25No/Box)	20	Box		
	Epoxy Grout (1kg/packet)	45	Packet		
	Spacer	24	Packet		
2	<u>Wall Finishing</u>				
	Sand	24	M ³		
	Cement-50kgs	145	Bags		
	White cement - 50kg	12	Bags		
	Gypsum powder	20	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	152	Box		
	Epoxy Grout (1kg/packet)	20	Packet		
	Spacer	10	Packet		
	Sand paper Msasa No.120	4.0	Roll		
	SUB-TOTAL FOR FINISHING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	7	buckets		
	Weather guard Paint - 20 LTRS	3	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	3	TIN		
	Bitumen paint - 4Litres	3	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single fluorescent fitting, approved Philips or equal	7	No		
2	Double fluorescent fitting, approved Philips or equal	13	No		
3	Double switch socket	6	No		
4	Main switch 12way,3PH with integral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	300	m		
6	Single core wire 1.5sqmm -Black	300	m		
7	Single core wire 1.5sqmm -green	200	m		
8	Single core wire 2.5sqmm -Red	100	m		
9	Single core wire 2.5sqmm -Black	100	m		
10	Single core wire 2.5sqmm Green	100	m		
11	Ceiling fan, approved National or equal	2	PC'S		
12	16mmsq 4 core cable	30	M		
13	1gang one way switch	3	No		
14	2gang two way switch	15	No		
15	20A DP switch	1	No		
17	Gypsum light complete with energy saver 18w	5	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	30	M		
20	Plastic clips (22mm)	5	BOX		
21	Conduit pipe	100	PC		
23	Metal box double	10	PC		
24	Metal box single	20	PC		
25	Round cover	100	PC		
26	Junction box	75	PC		
27	Elbow	70	PC		
28	Conduit coupling	75	PC		
29	Fine screw	2	Packet		
30	Round Box	30	PC		
31	Cooker control unit 45A	1	PC		
	Air condition				
32	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	1	No		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4"	50	M		
2	IPS Pipe 1/2	5	PcS		
3	IPS Pipe 3/4	2	PcS		
4	Flexible pipe	4	PcS		
5	IPS Elbow 1/2"	15	PC'S		
6	IPS Elbow 3/4"	12	PC'S		
7	Angle valve	6	PC'S		
8	IPS nipple 1/2"	15	PC'S		
9	IPS nipple 3/4"	6	PC'S		
10	IPS Tee 1/2"	8	PC'S		
11	IPS reducing socket 1" - 3/4"	1	PC'S		
12	Bush reducing 3/4" - 1/2"	6	PC'S		
13	IPS union 3/4"	6	PC'S		
14	Tee connector 3/4"	4	PC'S		
15	connector 3/4"	2	PC'S		
16	Shower rose	2	PC'S		
17	Toilet shower (Shataf)	2	PC'S		
18	IPS socket 1/2"	15	PC'S		
19	Bib tape pex 1/2"	8	PC'S		
20	Stop cock pex 1/2"	2	PC'S		
21	Stop cock pex 3/4"	6	PC'S		
22	Thread seal tape	10	PC'S		
23	PVC pipe 1 1/4"	1	PC'S		
24	PVC pipe 1 1/2"	3	PC'S		
25	PVC pipe 4"	11	PC'S		
26	PVC bend 1 1/4"	2	PC'S		
27	PVC bend 1 1/2"	10	PC'S		
28	Sink	5	PC'S		
29	PVC Tee 1 1/4"	2	PC'S		
30	PVC Tee 1 1/2"	9	PC'S		
31	PVC plug 1 1/4"	2	PC'S		
32	PVC plug 1 1/2"	6	PC'S		
33	Non trap 1 1/2"	2	PC'S		
34	Strainer	2	PC'S		
35	Tangit	2	TIN		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
36	PVC socket with Female threads 1 1/4"	4	PC'S		
37	PVC socket with Female threads 1 1/2"	5	PC'S		
38	WC Eastern complete as per Armitage or other approved	2	Nr.		
39	Armitage shank hand wash basin sink large catalogue no1179334	2	Nr.		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

	GENERAL SUMMARY	AMOUNT
		TZS
	<u>KITCHEN BLOCK</u>	
A.	SUB-STRUCTURE -PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
J.	ELECTRICAL INSTALLATION	
K.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL	
	TOTAL MATERIALS COST	TZS

Schedule of Labour

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
A	<u>Msingi wa Jengo (Sub-structure)</u>	
1	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<u>Kufunga mbao</u>	
4	Pembezeni mwa jamvi	
5	Pembezeni mwa nguzo	
6	Kuondoa mbao	
	<u>Kumwaga zege</u>	
7	Chini kwenye msingi wa tofali	
8	Chini kwenye msingi wa nguzo	
9	katika nguzo ya awali	
10	kwenye jamvi	
11	Ujenzi wa tofali za msingi (2548 No)	
	<u>Mawe</u>	
12	Upangaji wa mawe na utandazaji wa DPM	
13	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (5245 No)	
	<u>Kufunga mbao katika:</u>	
2	Nguzo mlalo	
3	Nguzo wima	
	<u>Kusuka nondo katika:</u>	
4	Nguzo mlalo	
5	Nguzo wima	
	<u>Kumwaga zege katika:</u>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
C.	<u>Kuezeka (Roof structure and covering)</u>	
1	Kuezeka na ufungaji wa gata	
	Jumla ndogo kunyanyua jengo	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
D.	<u>Milango</u>	
1	Kufitisha fremu za milango	
2	Kufitisha shata za milango pamoja na vitasa	
3	Upakaji wa Varnishi katika milango na fremu	
E.	<u>Umaliziji (Finishing)</u>	
	<i>Upigaji wa lipu pamoja na kutengeneza koplo:</i>	
1	Nje ya jengo	
2	Ndani ya jengo	
	<u>Sakafu</u>	
3	Uwekaji wa sakafu ya kupokea vigae (beds)	
4	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) -	
	<u>Dali:</u>	
6	Ufungaji wa mbao za dali (Branding)	
7	Uwekaji wa dali na mikanda ya gypsum	
8	Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje	
9	Uwekaji wa vigae katika kuta na upakaji grout	
	Jumla ndogo umaliziji(finishing)	
F.	<u>Rangi na Mapambo (Painting & Decoration)</u>	
	<u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u>	
1	Kuta za nje	
2	Kuta za ndani	
3	Dali	
	<u>Kupaka rangi mikono mitatu katika:</u>	
4	Msingi wa nyumba	
5	Grill za milango na madirisha	
	Jumla ndogo Rangi na mapambo	
G.	<u>Umeme (Electrical installation)</u>	
1	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
2	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	Jumla ndogo Umeme	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
1	Ufungaji bomba awamu ya kwanza (Kuchimbia bomba)	
2	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
3	Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki	
	Jumla ndogo Mifumo ya maji safi na taka	

MAJUMUISHO (SUMMARY)		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umalizijaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na taka (Water Supply and Sewage system)	
	JUMLA KUU Shs.	

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

Drawings